

## ABSTRACT

A microporous polyethylene film, including a blend that contains a high density polyethylene copolymer which has a melt index (MI) of 0.1 to 100 and a content of an  $\alpha$ -olefin unit with 3 or more carbon atoms of 0.1 to 1% by mole; and a high density polyethylene which has a viscosity average molecular weight (Mv) of at least 500000 to 5000000, wherein the above described blend has an Mv of 300000 to 4000000 and a content of an  $\alpha$ -olefin unit with 3 or more carbon atoms of 0.01 to 1% by mole.